

CLIFTON ADHESIVE INC -- FA1076 MMM-A-1617 TYPE III -- 8040-01-449-3913

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Product Identification  
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Product ID:FA1076 MMM-A-1617 TYPE III  
MSDS Date:03/09/1995  
FSC:8040  
NIIN:01-449-3913  
Status Code:A  
MSDS Number: CKCDW  
==== Responsible Party ====  
Company Name:CLIFTON ADHESIVE INC  
Address:BURGESS PL  
City:WAYNE  
State:NJ  
ZIP:07470  
Country:US  
Info Phone Num:201-694-0845; 973-694-0845  
Emergency Phone Num:(800)424-9300  
Chemtrec Ind/Phone:(800)424-9300  
CAGE:79833

==== Contractor Identification ====  
Company Name:CLIFTON ADHESIVE INC  
Address:BURGESS PL  
Box:City:WAYNE  
State:NJ  
ZIP:07470  
Country:US  
Phone:201-694-0845; 973-694-0845  
CAGE:79833

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Composition/Information on Ingredients  
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Ingred Name:METHYL ETHYL KETONE  
CAS:78-93-3  
RTECS #:EL6475000  
= Wt:65.  
OSHA PEL:590 MG/M3;200 PPM  
ACGIH TLV:590 MG/M3;200 PPM  
ACGIH STEL:885 MG/M3;300 PPM  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:

5000 LBS

Ingred Name:TETRAHYDROFURAN

CAS:109-99-9

RTECS #:LU5950000

= Wt:4.

OSHA PEL:590 MG/M3;200 PPM

ACGIH TLV:590 MG/M3;200 PPM

ACGIH STEL:737 MG/M3;250 PPM

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:METHYL ISOBUTYL KETONE (MIBK)

CAS:108-10-1

RTECS #:SA9275000

= Wt:4.

OSHA PEL:410 MG/M3;100 PPM

ACGIH TLV:205 MG/M3;50 PPM

ACGIH STEL:307 MG/M3;75 PPM

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:NITRILE RUBBER (MFR CAS NO.: 9003-18-3). TSR #  
1397250002-5004P.

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===== Hazards Identification =====

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:THE EXPOSURE LIMITS LISTED IN

INGREDIENTS SECTION ARE FOR AIR LEVELS ONLY. WHEN SKIN CONTACT  
OCCURS, OVEREXPOSURE MAY RESULT THOUGH AIR LEVELS ARE LESS THAN  
LIMITS LISTED. ACUTE: NAUSEA AND/OR NARCOS IS. CHRONIC: MAY CAUSE  
LIVER AND KIDNEY DAMAGE. CAN DAMAGE NERVOUS SYSTEMS. WEAKNESS IN  
HANDS & FEET MAY OCCUR. MINOR EMBRYOTOXIC/F

ETOTOXIC EFFECTS HAVE

BEEN OBSERVED IN LABORATORY RATS EXPOSED TO MEK BY INHAL AT LEVELS  
GREATER THAN 1000 PPM (5 TIMES THE OSHA-PEL) FOR MOST OF GESTATION  
PERIOD. (SEE SIGNS AND SYMPTOMS)

Effects of Overexposure:HEALTH HAZARDS: TARGET ORGANS: MEK, BASED ON  
ANIMAL DATA, MAY CAUSE LIVER ABNORMALITIES, KIDNEY, LUNG AND BRAIN  
DAMAGE. TERATOGEN. THF-MAY CAUSE LIVER OR KIDNEY ABNORMALITIES, OR  
KIDNEY ABNORMALITIES. MIBK-MAY CAUSE LIVER ABNORMALITIES, LUN OR  
BRAIN DAMAGE,

BASED ON ANIMAL DATA. SIGNS AND SYMPTOMS: IRRITATION TO EYES AND SKIN. CAN ALSO CAUSE SKIN DRYNESS. LIQUID INGESTION MAY RESULT IN VOMITING. CAN SEVERELY BURN EYES. MAY CAUSE VOMITING AND DIARRHEA.

Medical Cond Aggravated by Exposure: RESPIRATORY AILMENTS, MAY CAUSE INJURY TO LIVER AND KIDNEYS WHEN INGESTED OR INHALED AT HIGH CONCENTRATIONS.

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===== First Aid Measures =====

First Aid: UTILIZE THE FOLLOWING SUGGESTED METHODS. IN EMERGENCY SITUATIONS NOTIFY A PHYSICIAN IMMEDIATELY. SKIN: WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION. EYES: FLUSH EYES ABUNDANTLY WITH CLEAN WATER AND REFER TO PHYSICIAN. INGESTION: DO NOT INDUCE VOMITING. REFER TO PHYSICIAN. EXCESSIVE INHALATION: REMOVE PATIENT TO FRESH AIR OR GIVE OXYGEN. USE CPR IF PATIENT IS NOT BREATHING. REFER TO PHYSICIAN.

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===== Fire Fighting Measures =====

Flash Point Method: OC

Flash Point: -15.4C, 4.F

Autoignition

Temp: 321.1C, 610.F

Lower Limits: 1.4

Upper Limits: 11.8

Extinguishing Media: CO<sub>2</sub>, FOAM, DRY CHEMICAL.

Fire Fighting Procedures: USE NIOSH APPROVED SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT. NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS SHOULD BE WORN. USE WATER SPRAY TO COOL FIRE EXPOSED STRUCTURES AND DISPERSE VAPOR CLOUD IF FIRE IS NOT PRESENT.

Unusual Fire/Explosion Hazard: VAPOR IS HEAVIER THAN AIR AND MAY TRAVEL CONSIDERABLE DISTANCE TO SOURCE OF IGNITION AND FLASHBACK.

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===== Accidental Release Measures =====

Spill Release Procedures: ABSORB SPILL IN SAND, EARTH, VERMICULITE, OIL-DRI, OR SOL-SPEED-DRI. SHOVEL ABSORBED MATERIAL INTO STEEL CONTAINER AND COVER.

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===== Handling and Storage =====

Handling and Storage Precautions: STORE IN APPROVED SOLVENT STORAGE AREA. KEEP TIGHTLY CLOSED. KEEP AWAY FROM HEAT, OPEN FLAMES, SPARKS, HOT SURFACES AND OXIDIZING AG

ENTS.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE NIOSH APPROVED ATMOSPHERE SUPPLYING OR AIR PURIFYING RESPIRATOR FOR ORGANIC VAPORS AS REQUIRED TO MAINTAIN EXPOSURE LEVELS BELOW RECOMMENDED LIMITS.

Ventilation:AS SPECIFIED. LOCAL EXHAUST: REMOVE VAPORS DURING PROCESSING. MECHANICAL: EXPLOSION PROOF EQUIPMENT. SPECIAL: REDUCE VAPOR CONCENTRATIONS BELOW SPECIFIED LIMIT.

Protective Gloves:PVA GLOVES.

Eye Protection:ANSI APPROVED CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:ANSI APPROVED EMERGENCY EYEWASH AND DELUGE SHOWER . PROTECTIVE CLOTHING AS REQUIRED TO PREVENT SKIN CONTACT.

Work Hygienic Practices:KEEP AREA CLEAN. CLEAN UP SPILLS IMMEDIATELY. PRACTICE GOOD PERSONAL HYGIENE.

Supplemental Safety and Health

WEIGHT/GLLON: 7.34. VOLATILE ORGANIC COMPOUND KG/LITER: 0.648.

===== Physical/Chemical Properties =====

Boiling Pt:=65.C, 149.F

Vapor Pres:71.3 @ 20C OR 68F

Vapor Den

sity:2.55

Spec Gravity:0.867

VOC Grams/Liter:5.43

Appearance and Odor:LIGHT AMBER. SWEET PUNGENT ODOR.

===== Stability and Reactivity Data =====

OXIDIZING AGENTS.

Stability Condition to Avoid:AVOID HEAT, OPEN FLAMES, SPARKS, HOT SURFACES AND OXIDIZING AGENTS.

Hazardous Decomposition Products:OXIDES OF CARBON, NITROGEN ZINC, SULFUR, HYDROGEN CHLORIDE.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Disposal Considerations =====

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Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL CHEMICAL AND SOLVENT WASTE DISPOSAL REGULATIONS.

===== Other Information =====

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